Construction Programme - Wednesday Programme

North Herts Education Support Centre

This course will encompass a variety of disciplines including Carpentry, Health & Safety, Tiling, and Painting. Students will complete several practical tasks to hone their skills initially and gain a better understanding of how to best use the hand tools and equipment. You'll learn both creative and problem-solving skills to put all your new skills together to make a final project.

Week	Typical activities
1 *2*	Week 1-2: Introduction basic Carpentry ***Theory: Introduction to the course*** *Understanding the purpose of basic hand tools for marking out and waste removal. Understanding the rules on health & Safety both at the centre and in the wider world of work* ***Practical:*** *Marking out and cutting timber accurately. How to use bench hooks and tenon saws. Marking out and cutting a cross-halving joint.*
3	***Theory: Introduction to different structural joints –*** *T-Halving, Corner Halving & Cross Halving and Bridle Joint.* *Week 3: Woodworking Joints - Revisit Cross Halving Joint, complete independently. Move on to the T-Halving Joint – complete independently after demonstration.*
4	*Introduction to Bridle Joint – Corner Bridle and T Bridle. Demonstrate the marking out and cutting process – Student attempt both versions. Explain that this will be a key skill needed to complete the main project (Coffee Table) Update portfolio.*
5/6	*Week 5/6 – Mark out and cut the material needed to complete the base of the table. Cut x 4 T Bridle Joints to make the H frames for table legs. Glue/Plan and sand down as needed.*
7/8	*Week 7/8 – Mark out and cut material needed for the tabletop – Using Mitre Saw to cut four pieces to make a mitre joint for each corner. Cut Plywood for the recessed section – (What is plywood? What benefit does it have over natural wood?) Update portfolio.*
9/10	***Theory: Different types of Tiling – Floor/Wall. Different Tile Patterns, Spacers and Adhesives*** *Week 9 –10 Introduction to basic Tiling skills – How to use a tile cutter accurately, understanding tile spacers and basic tile positioning, what is grout, why it is needed.*
11/12	*Week 11 -12 Apply previous weeks' learning to complete the tiling of the coffee tabletop. Ensure Adhesive, tile spacers, and spreaders are available. Update portfolio* *If completed and left to set, students are to prepare the base in readiness to apply an undercoat. It will need to be sanded extensively to ensure a professional finish. All marks must be removed (What is an undercoat? Why are they needed when painting wood?)*

You will receive a portfolio of your activities and achievements. The portfolio could be used to qualify for your Duke of Edinburgh bronze award skills sector and will be useful to talk about at college interviews.